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1970

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SIXTH EUROPEAN SEMINAR

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The Implementation of ALGOL on PDP-9/15 by E. N. Hawkins and J. D. Smart

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An Extended Toolkit for the PDP-10 by P. J. Weston and K. I. McKenzie

PDP-10 System Concepts and Capabilities by David L. Stone

A New Graphics Overlay for 8K FOCAL by J. F. Anthoni

A General Description of the Implementation of ALGOL 60 for the PDP-9 and PDP-15 by M. W. J. Bolas

A PDP-9/CDC 6600 Coupled System by I. H. Gould

DDC Parameters Optimization by FOCAL Programs by G. Schgor and G. Cortese

Kartenleser-Overlay Fuer FORTRAN-D by H. Steiger

Handler fur das da 10 Interface Zqischen PDP-9 und PDP-10 by Von T. Korteweg and H. P. Hougardy

Ein Handler fur den Mebstellenumschalter AF01 by Von H. P. Hougardy

A Set of Numerical Subroutines for use with a BASIC (4K) PDP-8/L Computer by J. R. Sanderson

A Plotting Package for the PDP-9 by S.J. Hengeveld, J.H. Van Bemmél, J.S. Duisterhout and B. Versteeg

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Organization and Programs of a Process Control System by Jan.-I. Kasteng

Numerically Controlled Machine Tool Tape Verification by J. R. Cookson

Computer Control for a Digital Telephone Switching Experiment by Dr. C.P. Villars and L. N. Pouget

A New System for Numerical Control of Drawing Tables and Machine Tools by Gerald P. Duelen

The PDP-14 Programmable Machine Controller by John Naples

Waveform Recognition for V.C.G. Processing by J.S. Duisterhout, J.H. Van Bommel, G.V. Herpen, V. Versteeg, S. J. Hengeveld and L. G. Bierwolf

Bau und Wirkungsweise Eines Schnellen Interfaces für Gamma-Kamera und PDP-8/S by P. Eisenhauer, A. Habermehl, K. Joseph and E. H. Gaul

A Hybrid Analogue-Digital ECG Analysis System by Miss M.R. Hoare, A. C. Arntzenius, J. Roelandt, J. D. Laird and A. C. Miller

A Computerprogram on an Analogous Signal, Composed of a Superposition of Different Frequencies to be Analysed in its Components by Drs. S.T.S. Kapteyn and S.G. Mey

On-Line Verarbeitung von Massenspektrometersignalen die bei der Messung des Gasgehaltes von Flüssigkeiten Auftreten, Mit Einer PDP-8/L by D. Look and P. Lotz

A Blood Analyser Using the PDP-8/I by E. T. Oram

LINC-8 in Clinical Objective Audiometry by M. Spreng

Observations of Correlations in Heart- and Breathing-Rates in Young Infants by J. G. Veninga and J. R. Luyten

A Method for the Quantitative Description of Cardiac Arrhythmias by B. Versteeg, J.H. Van Bommel, A. F. L. Veth and J. de Haan

PDP-8 A L'accélérateur Linéaire de 300 MeV de Saclay by G. Bianchi et O. Deneufbourg

Use of Two PDP-8 in Mean Energy Nuclear Physics by B. Bricaud, R. Chaminade, J. Durruty, M. Lechaczynskiet, J. Pain and C.E.A. Saclay

Nuclear Spectrum Analysis by PDP-8/I by P. de Regge

Control of Manual Measurements of Bubble Chamber Film by a PDP-8 by F. Gandini, P. Schlamp and J. Seyerlein

A Method of Interfacing to the PDP-8 by F.A. Van Hall and E. Kwakkel

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Background Subtraction from Neutron Spectrum by J. P. Meulders and J. M. Das

AMAVI - A FORTRAN-IV Program for the Unscrambling of Proton Recoil Spectra in a Fast Neutron Decay Time Measurement by Ph. Monseu

Systeme Temps Reel Pour Premesure de Cliches de Chambre a Bulles by M. J. Robert

ARNULF: A PDP-10 Program for Rapid Acquisition of Complete Film Information by a Pepr-Device by Roland Schmidt

PDP-7 Als Steuerelement in Einem Mehrrechnersystem by C. Stolze

A PDP-8/L Controlled Device for Measuring Large Bubble Chamber Films by P. Sturzingar, C. Verkerk, A. Fucci and C. Mazzari

A Method for Interfacing to the PDP-8 by F. A. Van Hall and E. Kwakkel

The Use of a Process Control Computer to Evaluate the Characteristics of Electrochemical Electrodes by F. Steffens and K. D. Beccu

Erfassung und Auswertung Akustischer Messdaten Mit Hilfe Eines PDP-8/S - Rechners by Hans Stawinski

Time-Shared Test System for Alfaskop Display Controllers by Arne Soderkvist

Versuchssteuerung und Meßwerterfassung in Turbomaschinenprufstanden Mittels Einer PDP-7 by Dr. Ing Karl Rubner

Processing of Size Distrubtion of Rain Drops by H. P. Roesli and J. Joss

Meßwerterfassung und Versuchssteuerung by Manfred Muller

A Computer Controlled Spectrograph for Recording Spectra of Transient Species by Herbert Kanzig and U. P. Wild

Answering Datel Telephone Calls by PDP-8 by David W. Harvey

The Analysis of Radar Data by J. G. Harp

Einsatz Einer PDP-9 in der Quantitativen Metallographie by Von K. Grefen and H. P. Hougardy

Datenerfassung Uber Analog-Digital-Wandler Bei Schnellen Vorgangen by Ing. (Grad.) Werner Diehl

SIXTH EUROPEAN SEMINAR (Continued)

Ein Digitales Druckmeßverfahren Mit On-Line Betrieb Einer PDP-7 by Dr. -Ing. Josef
Derse

A Data System for the LINC-8 by C. C. Wilton Davies

DIGITAL EQUIPMENT COMPUTER USERS SOCIETY
Maynard, Massachusetts 01754/Tel. 897-5111/TWX 710 347-0212

NEWS FROM DECUS PDP-8 PROGRAM LIBRARY

NOTE 1: Because of problems encountered with certain existing DECUS programs and anticipated changes within the DECUS Library itself, a new DECUS Program Library Catalog will not be issued for some months. In the meantime new programs will be announced via the DECUS Program Library Newsletter which we hope to issue on a monthly basis.

NOTE 2: Because of increased reproduction costs the charge for card decks has been increased to \$15.00

DECUS No. 8-124a - PDP-8 Assembler for IBM 360/50 and above

Author/Modifier: V. Michael Powers/Frank K. Bennett

Available: Write-up with modifications, listing at a handling charge, card deck

NEW PROGRAMS - READY FOR DISTRIBUTION

DECUS No. 8-312 - DECTape Emulator for Magtape

Submitter: John Alderman

Available: Binary and ASCII paper tapes, write-up which includes listing

DECUS No. 8-315 - Block-Modify

Submitter: Rudi Stange

Available: Binary and ASCII paper tapes, write-up which includes listing

DECUS No. 8-316 - CORR - Computer Correlation Matrix

Author/Submitter: J. N. R. Jeffers/ A. J. P. Gore

Available: ASCII paper tapes, write-up which includes listing

DECUS No. 8-317 - EIG (Compute Eigenvalues and Eigenvectors)

Author/Submitter: J. N. R. Jeffers/ A. J. P. Gore

Available: ASCII paper tapes, write-up which includes listing

DECUS No. 8-318 - PART (Partitioning of Treatment Sums of Squares)

Author/Submitter: J. N. R. Jeffers/A. J. P. Gore

Available: ASCII paper tape, write-up which includes listing

DECUS No. 8-319 - RAND (Computation of Random Fractions)

Author/Submitter: J. N. R. Jeffers/A. J. P. Gore

Available: ASCII paper tape, write-up which includes listing

DECUS No. 8-320 - MMMS (Calculation of Minimum, Mean, Maximum and Standard Deviation)

Author/Submitter: J. N. R. Jeffers/A. J. P. Gore

Available: ASCII paper tape, write-up which includes listing

DECUS No. 8-323 - CRC (Convert Peak Heights On An Auto-Analyzer Chart to PPM And Percentage)

Author/Submitter: Pat E. Hodgson/A. J. P. Gore

Available: ASCII paper tape, write-up which includes listing

DECUS No. 8-324 - TSP - Trend Surface Plotting

Author/Submitter: J. N. R. Jeffers/A. J. P. Gore

Available: ASCII paper tapes, write-up which includes listing

DECUS No. 8-325 - SBSM - Calculation of Duplicate Sub-Samples from Primary Data

Submitter: A. J. P. Gore

Available: ASCII paper tape, write-up which includes listing

DECUS No. 8-326 - MLWI - Malawi Land Use Survey Analysis

Author/Submitter: J. N. R. Jeffers/A. J. P. Gore

Available: ASCII paper tapes, write-up which includes listing

NEW PROGRAMS IN PROCESS - AVAILABLE IN TWO-FOUR WEEKS

DECUS No. 8-321 - REG-2 (Curvilinear Regression) and REG-4 (Linear Regression)

Author/Submitter: J. M. Sykes/A. J. P. Gore

Available: ASCII paper tapes, write-up which includes listing

DECUS No. 8-322 - CCMP (Correlation of Components) and CVAL (Computes Values of Principal Components)

Author/Submitter: J. N. R. Jeffers/A. J. P. Gore

Available: ASCII paper tapes, write-up which includes listing

DECUS No. 8-327 - CLAN (Cluster Analysis) and GRMN (Calculate Group Means)

Author/Submitter: J. N. R. Jeffers/A. J. P. Gore

Available: ASCII paper tapes, write-up which includes listing

DECUS No. 8-328 - NNAN (Nearest Neighbor Analysis), OREG (Orthogonalized Regression Analysis) and OREH (Additional Orthogonal Regression Coefficients)

Author/Submitter: J. N. R. Jeffers/A. J. P. Gore

Available: ASCII paper tapes, write-up which includes listing

DECUS No. 8-332 - The Civil War Game

Author: Ronald Servi

Available: Binary paper tape, write-up which includes listing

DECUS No. 8-336 - DECTape Library System Modifications

Author: Ernest Hayden

Available: ASCII paper tapes, 1 DECTape, write-up

DECUS No. 8-338 - BIN and CBL LOADER

Author: Brian E. Wood

Available: Binary and ASCII paper tapes, write-up which includes listing

DECUS No. 8-339 - PST (Post Stimulus Time) and Latency Histogram Program for the Lab-8

Author: Charles P. Merrill

Available: Binary paper tape, write-up, listing at a handling charge

DECUS No. 8-340 - The Auto and Cross Correlation Program for the LAB-8

Author/Submitter: Richard Rothman/Charles P. Merrill

Available: Binary paper tape, write-up, listing at a handling charge

FOCAL8 LIBRARY

NEW PROGRAMS - READY FOR DISTRIBUTION

DECUS No. FOCAL8-106 - FOCAL Traveling-Wave Sketches

Submitter: Arthur L. Pike

Available: ASCII paper tape, write-up which includes listing

DECUS No. FOCAL8-107 - NIM (Coin Game)

Submitter: Kenneth McCord

Available: ASCII paper tape, write-up which includes listing

DECUS No. FOCAL8-108 - Analysis of Variance for Two Dimensional Material

Submitter: Lars Palmer

Available: ASCII paper tapes, write-up which includes listing

DECUS No. FOCAL8-109 - Newton's Method of Approximating Real Roots of $P(X)=0$,
Where the Degree of $P(X)$ is 4 or Less

Author/Submitter: Jeff Gelpey/Bro. John F. O'Connell

Available: ASCII paper tape, write-up which includes listing

DECUS No. FOCAL8-110 - SWAP - FOCAL Disk Data Overlay

Submitter: James J. Chang

Available: Binary and ASCII paper tapes, write-up which includes listing

DECUS No. FOCAL8-111 - Battle of Numbers Game (Newberry College Version)

Submitter: Edward D. Huthnance

Available: ASCII paper tape, write-up which includes listing

DECUS No. FOCAL8-112 - Tic-Tac-Toe (FOCAL)

Author/Submitter: Doug Wilson and Mark E. Linehan/C. Hamblet

Available: ASCII paper tapes, write-up which includes listing

DECUS No. FOCAL8-113 - Acid-Base Titration Curves

Submitter: Edgar H. Nagel

Available: ASCII paper tape, write-up which includes listing

DECUS No. FOCAL8-114 - Liquid Scintillation Data Processing Program

Author: Arnold Fisk

Available: ASCII paper tape, write-up which includes listing

DECUS No. FOCAL8-115 - Short Programs For Statistical Analysis Using FOCAL

Author: D. J. Dowsett, R. Priest

Available: ASCII paper tape, write-up which includes listing

DECUS No. FOCAL8-117 - ED-50

Author: Lars Palmer

Available: ASCII paper tape, write-up which includes listing

NEW PROGRAMS IN PROCESS - AVAILABLE IN TWO-FOUR WEEKS

DECUS No. FOCAL8-116 - KV8FT

Author/Submitter: Arthur L. Pike/Joyce Carey

Available: Binary paper tape, write-up which includes listing

DECUS No. FOCAL8-118 - Three Mathematical Routines

Author/Submitter: Forrest Howard/Bro. John O'Connell

Available: ASCII paper tapes, write-up which includes listing

DECUS No. FOCAL8-119 - CHEMS LAB 5

Author: Thomas J. Ford

Available: ASCII paper tapes, write-up which includes listing

DECUS No. FOCAL8-120 - PFI - Product Form of the Inverse

Author: James H. Christensen

Available: ASCII paper tape, write-up which includes listing

DECUS No. FOCAL8-136 - FOCAL, AMITY

Author: Robert W. Tuttle

Available: Binary paper tapes, write-up

